

**Flood Control Project Maintenance
Levee Inspections**

Fall 2008 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including Boat Survey Erosion

San Joaquin River Basin

RD2101	Overall LMA Rating	Total LMA Miles				
Reclamation District No. 2101	U	3.50				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	2.75		2.75	78.57%		
Trim / Thin Trees	1.88		1.88	53.71%		
Animal Control	0.14		0.14	4.00%		
Erosion / Bank Caving		0.02	0.08	2.29%		
Crown Surface / Depressions / Rutting	0.20		0.20	5.71%		
Boat Survey Erosion		0.10	0.40	11.43%		
<i>LMA Totals:</i>	4.97	0.12	5.45	155.71%	0.00	0.00

Unit No. 01 San Joaquin River	Overall Unit Rating	Total Unit Miles				
	U	3.20				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	2.75		2.75	85.94%		
Trim / Thin Trees	1.88		1.88	58.75%		
Animal Control	0.14		0.14	4.38%		
Erosion / Bank Caving		0.01	0.04	1.25%		
Boat Survey Erosion		0.10	0.40	12.50%		
<i>Unit Totals:</i>	4.77	0.11	5.21	162.81%	0.00	0.00

Unit No. 02 San Joaquin River (Spur Levee)	Overall Unit Rating	Total Unit Miles				
	U	0.30				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Erosion / Bank Caving		0.01	0.04	13.33%		
Crown Surface / Depressions / Rutting	0.20		0.20	66.67%		
<i>Unit Totals:</i>	0.20	0.01	0.24	80.00%	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2008 Levee Inspection Results

Reclamation District No. 2101

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2008 Levee Inspection Results

Reclamation District No. 2101

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	3.20
	Spring (March - May)	Summer (June - August)	Fall (September - November)	Winter (December - February)
Date of Inspection	5/6/2008		9/18/2008	
DWR Inspector	Bob Duffey		Hana Babbin	
Accompanied By				
Unit Maintenance Rating (Fall Only)			U	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000.

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2008

Reclamation District No. 2101

Waterway							Bank	Unit Miles	Inspection Date	Inspector	
Unit No. 01 San Joaquin River							Left	3.20	09/18/2008	Hana Babbins	
LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.04	0.14	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: DFG regulations prevent WS maintenance.	37.657583 ° -121.254142 °	37.657390 ° -121.252670 °		3
2	0.04	2.79	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Department of Fish and Game does not allow this RD to touch WS vegetation. No removal is planned in response to DFG policies.	37.657587 ° -121.254147 °	37.641538 ° -121.229748 °		2
3	0.07	0.20	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: RD 2101 does have a rodent control plan in place. Over \$3000 is spent annually. Levees in this RD are 100% sand. Extremely susceptible to seepage regardless of presence of burrow holes, but effort is still made.	37.657777 ° -121.253763 °	37.656925 ° -121.251873 °		4
4	0.23	2.01	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: DFG prevents maintenance on WS.	37.657200 ° -121.251437 °	37.649872 ° -121.227952 °		5
5	1.90	2.00	Boat Survey	Boat Survey Erosion	WS	U	Inspector Comments: Recommended for short list of immediate repair sites; Silty sand levee material	37.650259 ° -121.228961 °	° °		942
6	1.99	1.99	Earthen Levee	Erosion / Bank Caving	WS	U	Schedule repair of erosion site prior to the next inspection. Inspector Comments: RD 2101 has attempted contact on several occasions with the USACE to request repair assistance but no action has been taken by the Corps..	37.650068 ° -121.228268 °	37.650068 ° -121.228268 °		6
7	2.39	2.39	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Rodent control is attempted regularly. No fruiting trees are present along this levee. A few oaks are present but most were removed by the Corps in the 1950's. A lot of seepage has occurred during high water events, irrespective of burrow size and number.	37.645890 ° -121.226300 °	37.645890 ° -121.226300 °		7

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2008 Levee Inspection Results

Reclamation District No. 2101

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River (Spur Levee)			Right	0.30
	Spring (March - May)	Summer (June - August)	Fall (September - November)	Winter (December - February)
Date of Inspection	5/6/2008		9/18/2008	
DWR Inspector	Bob Duffey		Hana Babbin	
Accompanied By				
Unit Maintenance Rating (Fall Only)			U	

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2008

Reclamation District No. 2101

Waterway							Bank	Unit Miles	Inspection Date	Inspector	
Unit No. 02 San Joaquin River (Spur Levee)							Right	0.30	09/18/2008	Hana Babbins	
LMR Line	Levee Mile		Category	Item	* Location	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.00	0.20	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Keep the crown roadway free of vegetation. Inspector Comments: Issue #1 RD 2101 unit 2-spur levee. This unit is rarely traveled so some vegetation has sprouted up along the roadway and should be removed before it gets out of hand.	°	°		1
2	0.30	0.30	Earthen Levee	Erosion / Bank Caving	CR	U	Schedule repair of erosion site prior to the next inspection. Inspector Comments: Issue #2 RD 2101. At the end of this spur two rivers converge and due to past high water events a large scour hole has been formed. It is now filled in with vegetation. The next HW event will fill in and further scour this large hole.	°	°		2

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